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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

HARVEY, JAMES R

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 01/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/940,949

Applicant(s)

TRIPOD, LUC

Examiner

James R. Harvey

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 October 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☒ The proposed drawing correction filed on 07 January 2003 is: a) ☒ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Drawings

- The corrected drawings were indicated to be attached (first page of remarks section, line 1), however they were not found within the file. Upon telephoning and discussing the missing drawing with Mr. Carlos M Herrera, the corrected drawings were faxed on 1-7-03. These drawing corrections are approved.

Claim Objections

Claim 1 is objected to because of the following informalities:

- Claim 1, lines 4 and 5; the claim limitation "terminals extending from the electron gun along the circumferential surface" is not proper. While the specification clearly supports that the claim requires the terminals to be along the circumferential surface, the improper presentation of the claim could be interpreted to mean the electron gun is required to be along the circumferential surface. For purposes of examination, the claim is seen to mean that the terminals are along the outer circumferential surface.
- Appropriate correction of the above is required.

Claim Rejections - 35 USC § 102

- The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

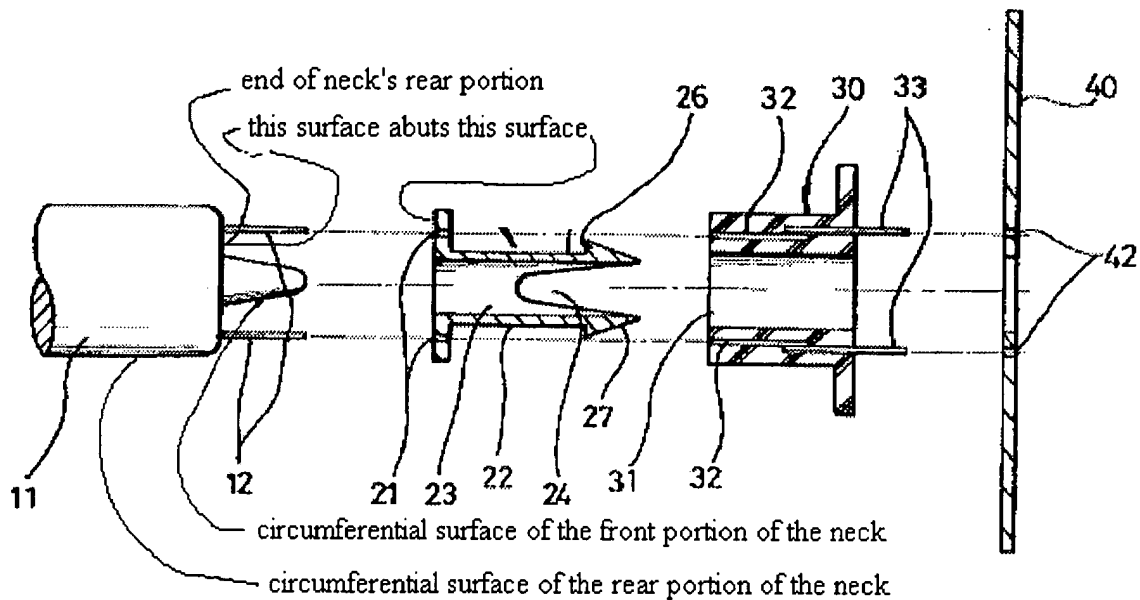
A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

- Claim(s) 1 –8 are rejected under 35 U.S.C. 102(b) as being anticipated by Cho (5963275).
-- In reference to claim 1, Cho shows (cover sheet) an arrangement for coupling a cathode ray tube (CRT) (figure 4) to a socket 30 which is mounted on a circuit board 40 the CRT having a funnel 10 and a neck (see examiner's figure) having an end (see examiner's figure), a circumferential surface and terminals 12 extending from the electron gun along the circumferential surface (the circumferential surface of the front portion of the neck), the circuit board 40 being positioned with a first side facing the funnel portion and a second side facing away from the funnel portion, the socket having electrical contacts 33 which engage the terminal on the CRT 12, the electrical contacts being positioned on the second side of the circuit board (figure 9).

Although the prior art does not specifically disclose the claimed terminals 12 extending from the electron gun, this feature is seen to be an inherent teaching of that device since the electron gun is within the neck and behind the terminals 12.



-- In reference to claim 2, Cho shows (figure 7) the circuit board has a plurality of components 43 mounted thereon, none of the components extending away from the funnel further than the back cover of the socket (figure 8 (the front distal end 27 of the back cover 20 extends further from the funnel 10 than the components 43).

-- In reference to claim 3, Cho shows (figure 8) the circuit board has a plurality of components 43 mounted on the first side.

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-- In reference to claim 4, Cho shows the socket has a back cover 20 (figure 7) which abuts a distal end of the neck (see examiner's figure and indicator lines stating "this surface abuts this surface").

-- In reference to claim 5, Cho shows (see examiner's figure) a funnel and an integral neck extending rearward from the funnel (figure 4);

an electron gun positioned within the funnel;

terminals extending from the electron gun through the neck along an outer surface of the neck (along the circumferential surface of the front portion of the neck); and,

a circuit board 40 having a socket 30 for electrically connecting components 43 (column 3, lines 45-50) mounted thereon,

the socket 30 being electrically connected to the components 43 and being directly matable with the terminal 12 extending along the outer surface of the electron gun.

Although the prior art does not specifically disclose the claimed electron gun positioned within the funnel, this feature is seen to be an inherent teaching of that device since a means for providing a CRT is disclosed and it is apparent that an electron gun positioned within the funnel must be present for the CRT to function as intended.

-- In reference to claim 6, shows the terminals extend along an outer circumferential surface of the neck (see examiner's figure).

-- In reference to claim 7, shows (see examiner's figure) the socket has a back cover 20 (figure 7) which abuts a distal end of the neck.

-- In reference to claim 8, shows (figure 8) the circuit board has a plurality of components 43 mounted thereon, none of the components 43 extending away from the funnel portion 10 further

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than the back cover of the socket (figure 8 (the front distal end 27 of the back cover 20 extends further from the funnel 10 than the components 43).

Response to Arguments

-- In response to applicant's argument (paragraph 4 of the Remark Section, line 9) concerning Cho does not teach terminal of the electron gun being positioned along a side of the neck as required in claim 1, the meaning of "neck" has not been defined in the claims and is a broad term that is met by the front portion (the circumferential cone shaped portion) and rear portion (the circumferential cylindrical shaped portion); while applicant's figures show the terminals positioned on and physically contacting the cylindrical portion of the neck, the claim language only requires the terminals be "along the circumferential surface" (claim 1, line 4) or "along an outer surface of the neck" (claim 5, lines 3-4). The claim language "along" only requires it to be near the surface not on the surface.

-- Applicant's other arguments filed in response to the previous office action, are moot in view of the new grounds of rejection.

Conclusion

- The prior art not used in the rejection, but made of record is Takenaka et al. and An (figure 4) because they show a CRT with a gun that has terminals extending from the gun toward the outside of the neck.
- Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to James R. Harvey whose telephone number is 703-305-0958. The examiner can normally be reached on 8:00 A.M. To 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 703-308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7724 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0952.

James R. Harvey, Examiner

jrh

January 7, 2003



THO D. TA
PRIMARY EXAMINER